

## the HAMATEUR

This newsletter is published monthly for the amateurs represented by the Radio Clubs listed. Reproduction, with credit given, is granted for anything appearing within the HAMATEUR. Deadline date to submit material for the month is the 5th. Publication date is the 28th.

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31/91....WA9RWO...Larry Kaja.....547-1911	Racine.....W9HI.....Stu Stewart.....539-2680
93/33....WB9BSO...Bruce Herrick....964-6536	22/82.....WB9PKY...Jim Wiskow.....Whitewater
QCWA....W9VQD....Travis Bard.....352-9642	Tri-County..K9LJM....Horace Hilker...Milton
6-MIC....WB9OPD...Bob Pettigrew....447-1307	19/79.....WB9WFA...Scott.....291-0409

### WA9 Just Mouthing Off

I am pleased to welcome to our staff, John Pinch WA9GAK. John will procure the commercial advertisement for the HAMATEUR. This position, as with the other staff positions can be made less burdensome with your help. If you know of anyone that might be interested in advertising commercially in our paper, please give John a call at 442-0150.

Last Month's pictorial review of some of our Field Day activities was superb, thanks to Don Habeck W9AMM. I would like to see similar pictorial reporting on our supportive club's activities such as, Meeting, Picnics, Swap-fest attendees, Members stations, or general interest subjects of current happenings. For this to become a realistic feature, your help is needed in supplying the photos to be used. All photos will be returned to their original owners.

The combined HAMATEUR roster is now a dead issue. I could not get enough people involved to make this a reality. I still believe it is basically a good idea--perhaps next year.

The Wisconsin Association of Repeaters (W.A.R.) will hold its September meeting at the Holiday Inn #1, 4402 E. Washington Ave., Madison, Wi., on Saturday the tenth at 1 pm--12 noon if you care to join the crowd for lunch. The Holiday Inn is located on the east side of Madison--194 to Madison, west on 194-90 to Hwy 151, exit toward Madison. The Inn is visible from the "I" system.

The 29th annual Ground Hog party will be held October 8 in Watertown, Wi. More information and the rest of the details will be in next month's HAMATEUR.

The West Allis Radio Amateur Club will be holding Novice Code and Theory classes on Wednesdays, beginning September 7, 1977 at the Tri-City Bank in Hales Corners starting at 7:00 pm. Class size limited to 25 on a first come first served basis. Advance registration suggested. For further information and to register call Tom at 786-6169. Anyone knowing of any other classes of this nature please let me know and I will in turn advise our reading audience.

73's Larry McCalvy, WA9JMO

### CLUB News

## TRI-COUNTY AMATEUR RADIO CLUB

Members please note: September 11 is our first meeting this fall and corn-boil. It will be held at the Jefferson City Park. WB9MER is preparing a club bulletin with pertinent info. Al Jordan and Frank Woltman are in charge.

Tom Wheeler who is now WD9FRI, a novice ham intends to go after his General soon. Congrats to you Tom. Bill Younker, a MSOE student was awarded the annual \$500 scholarship grant given by TRI-ARC. We wish him continued success in his schooling. September will usher in the fall sessions of our code and theory classes. Those interested may contact John Satterlee, WA9SAB of FT. Atkinson or K9LJM of Milton.  
 the HAMATEUR 1 H. Hilker K9LJM

MEETING: Tuesday, Sept. 6, 1977, 7:30 PM at Red Cross Building, 26th & Wisconsin Ave.

**NEW EC FOR MILWAUKEE CO.:** WB9SMM, John Leekley, replaces WB9NNJ as Emergency Coordinator for the Milwaukee County ARES effective Tuesday, Sept. 6. WB9NNJ will assume the temporary position of Deputy EC until a permanent Deputy EC is appointed.

**PERSONAL, FROM WB9NNJ:** I'd like to take this opportunity to thank ALL the hams in the area.....and particularly the ARES members.....for their support and excellent cooperation that made the Milwaukee ARES a recognized, highly professional, emergency communication service. It is now one of the best (if not the best) ARES operations in the country. My sincere thanks to all of you for helping me during my term as EC.....and I know you will all continue your excellent support when WB9SMM takes over as EC.

Bob WB9NNJ

6-MIC

SIX METER INTEREST CLUB

6-MIC

Meeting-unknown.

Have you checked your calendar lately? Summer is drawing to a close, and so is the mid-year sporadic E season. The 6M band held up well through July. Good signals have been heard from all parts of the country and Canada, though somewhat less frequently than in June. Cycle 21 has gotten off to a slow start yet excellent band conditions have prevailed. Six and seven land have worked JA's, Omaha (400 miles away) was heard in Japan, KH6 worked from the East coast, FX3VHF beacon in France heard by VE1. An increasing 6M population and improved stations have played their part.

Six Meter W.A.S. #161 is posted in the shack of WA9DOT. Rumor has it that Jim has a 24 hour spotlight shining on the certificate which is flanked by royal blue velvet draperies. Can anyone verify this report? On the afternoon of July 3rd, Jim worked Bert, KH6HI to culminate a 16 year quest. Congratulations, Jim. Not far behind DOT, another Jim, WA9HUX and Sheldon, WB9SJQ worked Bert. Good show! Kenwood's TS 600 is being heard in increasing numbers, basically very similar to Yaesu's very popular FT 620 B. Both rigs do fine jobs, especially when followed by a pair of 4CX250 tetrodes.

73's Bob WB9POD

146-25 IN

MILWAUKEE COUNTY REPEATER SOCIETY

146-85 OUT

**FALL MEETING SCHEDULES** The fall meeting of WR9ABS has been scheduled for Tuesday, September 20th at 8:00 P.M. SHARP. To be located at NINO'S 3400 S. 100th Street (next to Docus Oldsmobile) a good time is planned for all that attend. All INTERESTED people whether Hams or not are invited to attend. Future plans are in the works to schedule a meeting at the I.B.M. building downtown. Here's your big chance to see a actual computer in operation. Watch future newsletters for more information on this.

**INTERUM TREASURER TAKES OVER** Larry Leranah, WB9JGC, the elected treasurer of WR9ABS has resigned his position due to accepting a new job out of town. Paul Szczerbinski, W9KHO, has agreed to take over the duties of the treasurer until the new officers are elected this spring. Paul, for those of you that don't remember, was a former treasurer of the club. Our thanks to Paul for his "filling-in" on this most important job.

**ALL WR9ABS MEMBERS NOTE** All current members of 25-85 will receive a mailing just prior to the September meeting advising them of the meeting and also scheduled to contain the NEW REVISED WR9ABS Handbook and membership list. This has been one of the projects of the club Vice-President, Bob Miller, WB9TFE.

**AUTO-PATCH UPDATE** Do to problems with un-identified people using and/or misusing the clubs auto-patch, this privilege has to be restricted to the hours that a control operator is available to monitor the system.

**SPECIAL NOTE** Starting next month and continuing in each issue after that, there will be an article by the club president. I know that all members will look forward to Paul's article, which next month is to deal with repeater operation.

73's Bill WB9EFP

146-31 IN

MILWAUKEE REPEATER CLUB

146-91 OUT

Meeting Thursday Sept. 15, 7:30 P.M. at Ninos on the Port Road--downstairs.

**MUSCULAR DYSTROPHY TELETHON NET**--Plans are now being made for Amateur Radio involvement in a "Muscular Dystrophy Net" to be conducted on the Milwaukee area repeaters on September 4th and 5th. A year or so ago WB9PKY and WA9JMA got together on Labor Day and, without prior planning, began conducting a net on 31-91. The results were good! This year we'd like to make plans in advance and solicit the cooperation of the 2 meter operators in and around Milwaukee to act as Net Control Stations down at the M.D. fishbowl in downtown Milwaukee. We'll need bodies as well as radios (preferably battery powered) to help with our appeal. If you would like to participate in this most worthy cause please call me for further details at 547-1911. This is what Ham Radio is all about!

**"TIME ANNOUNCEMENT" STILL DOWN**--As you probably know, Karen's time broadcast has been off the air for several weeks due to a problem in the program cue of the tape machine. Once we stabilize the unit we'll once again return Karen to her employment status on 31/91. No, she is not currently collecting unemployment compensation.

**"LOVE AFFAIRS" VIA THE MRC AIRWAVES?**--Are you aware of the many "love affairs" which appear to be going on via 31/91 these past several weeks? Just listen to the 91 machine for a few days and you'll see what I mean. Love affairs don't necessarily have to be conducted between members of the opposite sex, you know. And they certainly don't involve what Anita Bryant is crusading against! How many can you think of? Here are a few examples: W9HRQ & WB9WSH....WB9RGN & WD9FIR. This is just for fun fellas and the longest list gets a free 6-pack compliments of MRC! Cupids start your arrows!!

73 Larry Kaja WA9RW0

September Meeting: Wednesday, September 14, 1977, at Cedarburg CD Center, South of the power plant, center of town, 7:30 PM. No program is scheduled at this time. Sam WB9LAD gave an illustrated presentation on tapping solar energy out in space. The proposed methods of accomplishing this type of project were explained in considerable and interesting detail. So far as is known, no member of the club is planning to build such a set up at this time, but surely several are thinking about it. The preliminary Field Day Report shows 2293 contacts. This is up slightly from last year, but not as much as originally thought. CW did better than 20 Meter phone, 80-40 Meters raised their count, and UHF and Novice turned in creditable if not impressive totals. In addition to these contact scores, the Treasurer advised that there was about \$120.00 worth (net) of eating and drinking. The gang at the corn roast managed to make do with only fifteen dozen plus ears. Nobody had much of an appetite. Those celebrants who fell over the edge of the lake bluff were retrieved undamaged as they were thoroughly anesthetized at the time. Herb WA9UVK reported that the Sunday morning clean up revealed no more than the usual assortment of false teeth, eyeglasses, and odd bits of clothing (under and outer) lying about. The Hamateur reporter was complimented for the ploy of reporting the date of the Corn Roast as the 14th while it was actually held on the 13th thereby keeping those who do not attend club meetings more or less in the dark. The Communications team did their usual fantastic job at the Cedar Grove Holland Days. The Repeater got through the heat and stormy weather in pretty good shape. The remote is down due to, among other things, a 3/4 meter receiver getting water damaged. As usual, the Club has been assured that everything is under control in this department.

## LATE NEWS FROM OZAUKEE

Faus ex WA9GDA reports he bought a new call, N9AJ. The new call has almost as many possibilities for indecent phonetics as his old one. Gary WA9UJK finally got his fifty foot tower up despite the assistance of Russ WB9PAS Lorn WD9AUP and Gary's brother "10-4 Good Buddy" Wayne. Of course, with all of this talent one could anticipate what happened. The two meter beam has a coax problem and the TA-33 runs 2.5/1 SWR on 20 Meters. Be that as it may, Gary's first 20 meter contact was an I5 who gave him a 5x7. Once he gets that SWR under control, he will probably be lucky to work the East coast. Ralph WA9MLY had transmitter trouble at Holland Days. That is what he claims. Actually his fingers were so greasy from eating sweet corn that they kept slipping off the controls.

73 Ed WA9BMA

## M.R.A.C

## MILWAUKEE RADIO AMATEURS' CLUB

## M.R.A.C

The next regular meeting of the Milwaukee Radio Amateurs' Club will be September 22, 1977, 7:30 P.M., at the Wauwatosa Savings & Loan Building, 7500 W. State St. (Use State Street entrance.) Time once again for another reminder: It is dues time again for all regular, associate, and student members. Pay in person at the next meeting or send it to Dave DeFebo, WB9BWP, 4926 W. Oklahoma Ave., Milw., WI. 53219. A donation from life members to cover rising postal and other costs would be greatly appreciated. The code/theory class is progressing into its final stages. Thanks to instructors, Dick W9ZPV, and Al W9MDG, with assists from W9SNK, W9UGN, and W9VLK. A fall session is being talked about but has not been finalized.

A question and answer period is being planned starting with the September meeting. The session will precede each regular meeting, from 7 P.M. to 7:30 P.M. and is open to anyone. Bring along your questions. The weather was breezy but very enjoyable for the annual free picnic attendees at Kletsch Park on July 31st.

73 AL W9MDG

THE WISCONSIN CHAPTER  
QUARTER CENTURY WIRELESS ASSOCIATION, INC.

We welcome to our midst Lester A. Peterson W9YCV who lives at 9741 W. Howard Ave., Greenfield, WI. 53228. Les was first licensed in 1936 and still holds his original call.

We are happy to report that Dick Ransom, W9PH is up and navigating however slowly. His left ankle was shattered as the result of falling with a 16 foot ladder outside of his home. The ankle has not yet properly healed. Keep trying Dick!

Ruth Fedder W9YFW's XYL suffered a stroke early in July and is recovering nicely.

Our 8:30 Sunday morning net on 3985 Mhz is well attended with 25 to 40 check-ins. These temperature inverted summer evenings of late have produced some interesting long haul QCWA get togethers on the two meter repeaters.

This is another reminder about the Fall Luncheon meeting to be held at the Woodland Club in Gresham 10 miles west of Shawano on Oct. 1, 1977. Gordon Fedder W9YFW our host, has a surprise up his sleeve. Hope to see you there.

73 Travis W9VQD

## 147-93 IN

## SOUTH EASTERN WISCONSIN AMATEUR RADIO SOCIETY

## 147.33 OUT

Next meeting will be Wednesday, Oct. 5, 7:30, at Waukesha city hall. Brian, WB9RZL, has a program on OSCAR. See you there.

Not too much news this month, probably due to two reasons: No one has bothered to call me with any news, and I have been too busy on 20 RTTY to listen to the ICOM. When I have listened, I have noticed a few people who always seem to try autopatches from too far away. Few of us have ever been on the other end of an autopatch. I have, and it is not only difficult to communicate with a marginal signal, it is also damned unpleasant to the party on the phone. Also, making a call from outside the Metro calling area is avoiding toll charges and illegal, according to Ma Bell tariffs. Our decoder has not been known to fail, so if you cannot access the patch after one or two tries, either your pad, or the patch is down, or you're too far away. With a little operating experience, you should know your range with the system. If you hear someone making a marginal autopatch, let them know.

Congratulations to Ed Arendt, WD9GHV, Bob Zimpel, WD9GHW, and Dave Nehring, WD9GHX, the first recipients of Novice licenses from my licensing class at Heathkit. More are due, plus a new class is scheduled.

73's Bruce K1TMM/WB9BS0



## RACINE MEGACYCLE CLUB

MEETING: Monday, September 12, at the Red Cross Bldg. Taylor Avenue Road, between Racine and Kenosha, at 7:30 P.M.

On the first Monday of the month the club is holding a hidden transmitter hunt (fox hunt). Check with WA9TPQ on the repeater 97/27 for more details. Kenosha is again holding the Sunday Breakfast meetings we all enjoy so much. Be sure to check in on .94 for your reservations. The club still needs an antenna for the low frequencies at the Red Cross Building. Lets not overlook 160 meters. Now is the season to get on 160 meter as winter conditions are just around the corner. Maybe we can make a club project on home brewing a small 160 meter rig. Its good to hear Butch WB9PUZ on two meters. Welcome back K9UUT. We understand that a tornado blew WB9LST's pizza away. W9PHJ lowered his antenna just in time. Anyone getting close to High Ridge to stop and say hello to Cecil Taylor who would like to have a rig up there. Maybe we can make this a small club project also and get Cecil back on the air. I'm in need of a good camera as I have got just the gal for the Hamateur Center fold. I tried to take her picture with my camera but the camera broke. She is now featured in EASY RIDER MAGAZINE ... who else but MIRACULOUS MUTHA.

73 Stu W9HI

146.22 IN

SOUTH EASTERN WISCONSIN FM AMATEUR REPEATER SOCIETY

146.82 OUT

MEETING: Thursday September 22, 7:30 at WTMJ-TV Studios on East Capitol Drive, Milwaukee.

A few new things have been happening on the 22-82 system in the last month or so. First of all, at our July meeting we held our annual election of officers. The officers for the 1977-78 year are Bob Richter W900W, President, Roy Davis WB9RKN, Vice President, Lee Lannoye WA9AOE, Secretary, and Tom Zillmer WB9GAD, Treasurer.

After some months work, Dick, K9CAN, has built up a remote receiver and has installed it in his shack at Grafton for the time being. It's a "basement warmer" just chock full of "thermionic emission devices." We hope that this will give us much better coverage of the North side and of the downtown areas. Coverage due west of the system should remain about the same, the East side of Madison with about 15 watts of power. Some improvements should also be noted for mobiles accessing the system from West Bend and the Beaver Dam areas. The system votes between the two 146.22 mhz receivers and then chooses the one with the most quieting signal. This is very much like the commercial systems available at many times the cost. We've also done some loss tests on our receiver coax and found it to be in good shape. However, Gregg WD9DHI, (our newest member and a most ambitious climber), confirmed our suspicions that our receiver antenna at Delafield is ready for the bone yard. So, we've ordered a new Phelps-Dodge antenna which, with the help of the club, will be in service by October.

For information about joining our group, please contact: Lee Lannoye WA9AOE, 5780 N. 80th Street, Milwaukee. Dues can be sent to: Tom Zillmer, WB9GAD, 648 East Wilson Street, Oconomowoc, Wisconsin 53066.

73's WB9GAD

### THE RIME OF THE ANCIENT AMATEUR OR THE FINAL SOLUTION?

There was an ancient amateur,  
With a dipole up a tree  
And his beam a hundred stories high  
In County called Ozaukee.

Then it came to pass that others  
Would aspire to the skies;  
As a hundred thousand words and watts  
Curled his ears and teared his eyes.

Through untold nights he suffered  
With the CB's finest kind,  
'Till the cries of empty humanoids  
Had petrified his mind.

Now behold the ancient amateur  
As he reclaims a polished gem;  
In a bronze-felt case, a J-38  
Last used no man knows when.

Then one night the shrill crescendo  
Became more than flesh could stand.  
The key was closed, the lights went dim,  
And there was silence through the land.

Now there is an ancient amateur  
Who, in penance for his sin,  
Wears an 807 round his neck  
And may call no man his kin.

So Soft! Gentle listener, our wanderer  
Be far more dead than live.  
For he must spend eternity  
On One Forty-six, five-five.

Anon  
as told to Ralph WA9UDZ

The following comes to us via the HR REPORTS:

U.S. AMATEURS VISITING CANADA this summer shouldn't leave Amateur gear at home if operating permission doesn't arrive before departure. Most Canadian cities of any size have a DOC office where operating permits can be issued and some Customs agents won't even seal equipment if you tell them you're going straight to the DOC for a permit. If your gear is sealed, don't break the seal yourself after getting the permit—have a Customs agent do it for you.

FCC and DOC have been working on an arrangement to honor each other's Amateur licenses without further paperwork, but do not have all the details worked out as yet.

ARRL'S 1977-78 REPEATER DIRECTORY is on its way to Newington from the printers—send a large SASE with 46¢ postage to the League to receive a copy.

HAM RADIO'S SUBSCRIPTION RATE is going up to \$12 a year, and though a letter to present subscribers said the effective date of the increase was August 1, the old rates will be honored until September 1. Until then, new subscriptions and additions to old subscriptions will be accepted at the present rates of \$10 per year, \$20 for three years; considerable savings over the planned increase to \$12 and \$30, respectively. FCC'S RADIO CONTROL RULES Part 95 (C) is stock number 004-000-0341-1 and sells for 80¢ from the Superintendent of Documents, U.S. Government Printing Office, Washington D.C. 20402—a typo snuck into the HR Report 155 announcement.

CB RULES SUBPART E (Technical Specifications) is newly out; its stock number is 004-000-00343-8, also 80¢. Note the GPO's minimum order is \$1.00.

AMATEUR LICENSE FORMS have arrived at Gettysburg to break up the almost six-week logjam in Amateur license distribution reported in last week's HR Report. An expedited preliminary shipment of 50,000 forms showed up Wednesday, and FCC personnel were hopeful they'd have the oldest of the backlogged licenses printed and in the mail by today (July 29).

CANADIAN TRUCKERS HAVE ESTABLISHED their own "Trucker's channels" by programming the versatile LC22S to just above 148 MHz. The group around Montreal favors 148.1, 148.15, 148.2 and up, seems to have no trouble buying the radios from area Amateur Radio stores. Montgomery Ward is reported contributing to the problem, offering Amateur and CB equipment from the same counters without comment as to purpose or legal requirements.

THE ILLEGAL ACTIVITIES aren't confined to non-Amateur Frequencies, however, Some of the truckers have also programmed in the VE2ACM 04-64 repeater and are using its autopatch to check in with their dispatchers; Amateurs are working with the DOC in an attempt to resolve the problem.

73's Ed, W9EWW - Beer Bottle Hill

## JOEL ESCHMANN K9MLD

Some of us go to the local radio store when we need a new piece of equipment for our hamming activities. But this is not the nature of Joel Eschmann, also known as K9 Mighty Large Dog. A Ham in the truest sense of the word, Joel does operate some commercially manufactured equipment, but the manufacturer would never recognize it as his own once Joel got a hold of it. Joel says that he has never owned a piece of radio equipment that he has not soon

He even modified his recently purchased on the manufacturer's design. play.

Born and raised in the Racine area, High School in Racine and is employed for Getty Manufacturing in Racine. Nancy in a very spacious mobile Union Grove, Wisconsin.

First licensed in 1957 as a novice General Class license six months on two meters with an IC-22A from on 29.6 FM with a Motorola T51. and varied. He was one of the area to operate on 450 MHz Fast slow scan TV just about everywhere. operate RTTY on 2 meter FM, and thing everywhere.

Joel is a designer at heart, pre-than depend on the designs of published articles in 73 Magazine keyer. Also in 73 Magazine, he automatic keyer construction project, and in "FM Digest" he published an article on conversion of 30 to 50 MHz commercial equipment to 29.6 FM.

An active member of MRC, Joel was also recently elected to the post of president of the Lakeshore Repeater Association and will be kept busy in that new post. You can find him on two meters at home or in the mobile on either 31/91 or 87/27 just about any time, but keep your radio away from him if you don't want it modified.

Pete, WB9UES



modified to make it run right. chased TV tennis game to im- He has added extra games to

Joel is a graduate of Horlick played as a systems analyst He lives with his beautiful wife home in Fonks Trailer Park in

Joel graduated to his present later. At present Joel operates the base and with an HW-12A and Joel's amateur projects are many first amateurs in the Racine. Scan TV. He has also operated where, is presently planning to has operated just about every-

ferring to make his own rather others. In the past, he has in 1960 on his design of an AFSK published an article on an auto-

## Classified Ads

Until further notice, non-commercial ads will be accepted and published FREE for ALL Hamateur readers. Ads will be automatically published for two (2) consecutive issues, unless you request otherwise. If you wish to rerun or cancel an ad, please advise before the closing date of the next issue.

To insure the maximum success of "FOR SALE" ads, all items must include the asking price. Unless otherwise noted, phone listings are local Milwaukee numbers. CLOSING DATE for ads is the 2nd of the publication month. Direct AD COPY to: Don Habeck W9AMM, 5973 Sugarbush Lane, Greendale, WI 53129

FOR SALE: Kilowatt Ham Station, Hallicrafter SX-115 recvr., HT-32A exciter, HT-338 Final and kilowatt Johnson Matchbox-Complete package Only \$575.00 John M. Hopwood-W9KYT 3419 N. Dousman St. Milw., WI. 53212 or call 332-8135	FOR SALE: Standard 826 2-mtr xcvr, 12 channel with 7 pairs of xtals. excellent condx; \$180. Contact Glenn WA9VYL. 711 East St., Ft. Atkinson, WI. 53538 414-563-6502	FOR SALE: Motorola HT-220 w/ 6 channels, xtra xtals & accessories; \$325. Motorola Metrum 25-watt, 8 channels; \$225. Assorted 28TTY parts. Contact Larry, WB9JGC 481-9447
FOR SALE: Clegg FM-27B xcvr., just checked & aligned at AES; \$220. Drake TV-3300LP low pass filter; \$20. Hy-Gain 14AVQ 10-15-20 mtr. vertical antenna, assembled \$35. Newtronics mobile antennas with mast, 10-80 mtrs; \$50. Heathkit SB-200 Linear; \$250. Heathkit DX-35 and vfo, as is; \$15. Contact Dennis, K9DTK, 355-4922	FOR SALE: Powerstat variable transformer, input 120 volts; output 0-140 volts, 20 amperes, max. kva 2.8 \$25. Electrovoice Model 664 dynamic cardioid microphone, hi or lo impedance; \$25. Contact Don W9AMM, 5973 Sugarbush Ln, Greendale, WI. 53129 421-1245	WANTED: Wilson HT crystals for 146.07/67. Will buy or trade for .16/76, .25/85, .22/82, .94/94. Contact Don W9AMM 421-1245
FOR SALE: SX-100, perfect condx; \$130. Eico 720cw xmtr, reconditioned; \$35. Vibroplex Lightning bug, new; \$25. Electric clock 24-hr, new; \$6. Hy-Gain 18V vertical antenna; \$9. Simpson meter, 2" sq., new, 200ma dc; \$12. Wanted: good HW-16, Contact Bud Woیدا, W9KQB, 521 S. 30th St., Manitowoc, WI. 54220 682-1240	FOR SALE: Drake R4C, factory serviced and aligned in Jan. 77; \$400 or make offer. Mosley MP-33 tri-band beam; \$50. Contact Jim K9JF 421-2284	FOR SALE: Collins KWM-2(Waters); \$550. 516F2; \$115. 312B4 type console; \$100. 302C3 wattmeter; \$75. Mic; \$25. 80-10 mtrs linear amp, 4-1000; \$350. 50 feet Rohn tower; \$125/ Ham M2; \$100. Mosley CL-36 beam; \$125. 40-80 mtr trap dipole; \$15. All in superb condx. will sell multiple purchases cheaper or all for \$1300. Contact S. Hochman, K9PYY, 5271 N. Shoreland, Milw. 53217 961-2030
FOR SALE: Scanning recvr., 3 band, 16 channel. Covers 30-54, 144-170, 430-470 mhz bands, already aligned for ham bands, 120 vac or 12 vdc, uses monitor type crystals; \$80. Contact Bob, WB9NEA 355-3155	FOR SALE: SX-140 Hallicrafters recvr; \$50. S-11 Hallicrafters recvr; \$50. Collins 75S3B recvr w/2.1 kc & 500 hz filters: \$650. Standard 826 2mtr xcvr, 12 Channel, 8 Channels xtal'd; \$150. Contact Fred Linn, W9NZF, 2829 N. Shepard, Milwaukee 964-0372	FREE BUMPER STICKERS: "Monitoring Ham Radio, Milwaukee Repeater Club". Available by sending a SASE (business size) to Bob Draeger, WA9KNH, N.69 W. 23806 Sare Ct., Sussex, WI. 53089
WANTED: Vertical antenna for h.f. Contact Don, W6RGU/9, 784-0991 after 7P.M.	HELP WANTED: Would like to get in touch with someone who can help put me in touch with a ham in Quillota, Chile for arranging a sched. Contact Mike Ruzicka, WD9EUN, 16150 Choctan Trail, Brookfield 53005	FOR SALE: Model DS-8 Nitsuko Automatic Dialing Device from the estate of Eugene Willie, W9EKU. This unit allows 28 preselected numbers to be called at the press of a button, and uses a 117 VAC. Asking \$35. For Further details call WA9JMO, Larry McCalvy at 464-7449.
WANTED: National SW-3, old radio parts-45's uncased mica's uncased mica's and Coherer, and etc..... Contact scott, WB9WFA, MLH-103, 291-0409.	FOR SALE: Drake TR-22, 2-mtr xcvr w/11 channels, AA-10 amplifier, 1525 EM Micoder: \$225. Contact Brian, WB9RZL 871-4579	FOR SALE: Swan External VFO..\$100. Johnson 275 Match Box with SWR/PWR Meter & Coupler .....\$ 75. Drake TR-22 crystaled with 34/94; 94/94; 25/85; 31/91; & 07/67 plus AA-10 Amplifier and AC-10 Pwr Sup W/Charger and Touch Tone Pad..\$ 25. Astatic Microphone 10-D & "G" stand .....\$ 20. Contact Bob WB9FXR at 481-1793.
FOR SALE: From the estate of John Knapp, W9LQR. Collins 32S3 Xmtr.....\$625. Collins 75S3 Rec..... 395. Collins 516F=2 Pow Sup..... 119. ICOM IC230 2M FM XCVR..... 229. ICOM IC 3PA PWR Sup..... 49. ICOM IC 22A 2M FM XCVR..... open AMECO PCL Pre Amp W/pwr sup 10. Micro Match MM-252 SWR Bridge 10. EV606 Microphone w/stand.... 10. ICOM IC3P pwr sup..... 39. TV 7A/V military tube tester 20. Contact Paul, W9KHO 463-4979 or Paul, WB9KYR, 425-1935.	FOR SALE: Regency HR-2A that has been interfaced with a factory wired GLB 400C synthesizer. The 2A is also equiped with 5 sets of crystals: 94 & 52 simplex and 31/91; 25/85; 16/76 repeater pairs and a 70 db filter. The above is set in and on the side of a Port-a-pac carrying case. Included is a motor cycle battery and charger. Asking \$325. Contact Larry McCalvy, WA9JMO, 464-7449.	SELL: Midland 13-510 Synthesized 2 Mtr. Transceiver, 25 Watts, 2 months old \$315, MFJ CWF-2 Filter \$10, Speech Processor (See QST 5/77 p. 172) \$20 WANTED: H.T. and Amplifier, K9LWT, Paul, Racine, 554-9170
	FOR SALE: Hammerland FM50A Two Meter transceiver. \$40. Contact Don, W9AMM, 421-1245.	



STOP IN at the NEW QTH of WB9FZU  
(Marsh & Lina Baker)



## OUR PLACE



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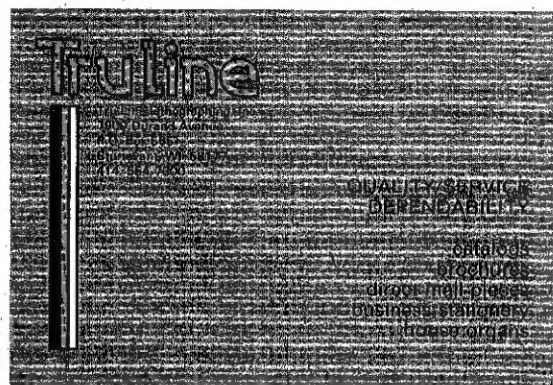
Closed Sunday

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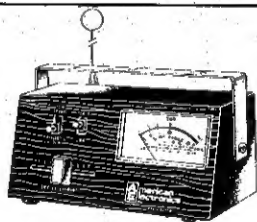
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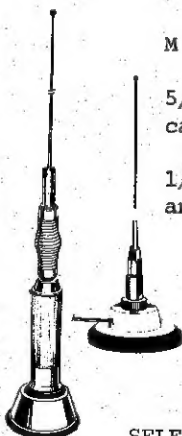


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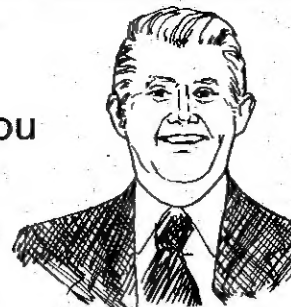
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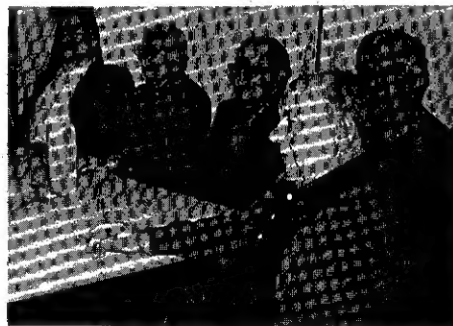
Jim Larsen, President  
W7DZL

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AMATEUR ELECTRONIC SUPPLY

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O.C.R.C. meeting held January 12, 1977; pictured  
are a few of our members who ventured out into  
the cold that night. (L to R) Travis Baird,  
W9VQD; Wes Correll, W9FY; Quin Peters, W9FAD;  
Larry Staats, WA9CNA; and Harold Schmidt, W9VLB.  
(Photo: Ozaukee Club)



Back row, left to right: Seibel, ex W9ESF and  
Kreis, W9HRM; Front row; Wareing, W9NY, and  
Devendorf enjoying themselves at the May 25,  
1944, M.R.A.C. Jamboree held at the Gettelman's  
Rathskeller in Milwaukee.

WB9BWP DAVID DEFEBO  
5724 W FOREST HOME AVE  
MILWAUKEE, WIS. 53220  
APT 8E

Sept. 10....W.A.R. meeting in  
Madison, WI.  
Oct. 8.....Annual Ground hog  
party--Watertown, WI.

## Upcoming Events

Meeting Notices  
07/67.....Sept. 6.....Tuesday  
Tri County.....Sept. 11.....Sunday  
Racine.....Sept. 12.....Monday  
Ozaukee.....Sept. 14.....Wednesday  
31/91.....Sept. 15.....Thursday  
CO3TUE.....Sept. 20.....Tuesday  
25/85.....Sept. 20.....Tuesday  
22/82.....Sept. 22.....Thursday  
MRAC.....Sept. 22.....Thursday  
QCWA.....Oct. 1.....Saturday  
93/33.....Oct. 5.....Wednesday  
6-MIC.....Unknown

AUGUST 1977

EDITOR: Larry McCalvy WA9JMO  
7453 W. Thurston Circle  
Milwaukee, Wisconsin 53218

the HAMATEUR

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## Technical Topics

**TECHNICAL TOPICS** Seeing as how I, your technical column editor, have recently "gone under the knife" at a local hospital and am in the process of recuperating, I will present a somewhat less-technical column than usual.

For those of you who are avid users of CW, or teach a novice class, or simply need a neat accessory for the shack, take a look at my article in January 1977 Popular Electronics entitled "the Morse-A-Letter". It is a device which will automatically decode and display letters, numbers and punctuation sent by Morse Code whether picked up on your receiver or sent directly to the unit by key. It includes an audio filter (two three-pole filters) with threshold clipping and automatic gain control (AGC) parallel-encoded ASCII data for each character available for use in driving a TV terminal display. You may have seen the unit on display at the Dayton Hamvention. It's a lot of fun to play with and a great "partner" for a person just learning the code.

Recently many people, particularly those interested in the severe weather operation of the local ARES on 07-67, have purchased the "Weatheralert" radios from a local department store at a great savings (they are very scarce now-WB9SMM has more info). They receive the Weather Bureau radio transmissions (162.4 MHz. FM) and also decode the alert tone transmitted by that service in event of a severe weather warning. A loud siren-type sound is emitted from the radio (it knocks your socks off!) corresponding to the 8-10 second alert tone. Personally, I would like to see the radio increase the volume, or latch a light on, or whatever, once the tone is decoded, in case the listener was away at the exact time the tone alert was sounded. Sound good? (Pun not intended). To see if this is feasible, I need a copy of the schematic of this radio. If anybody can locate one, it would be appreciated.

In past issues of the Hamateur you have seen articles appearing in this column by local hams-maybe some of your friends! You can publish an article yourself! It's easy. If you have any circuit (the simpler the better) that you "invented" while putting your rigs on the air (2-meter or otherwise) let me know about it. I would appreciate a typed copy of the text of the article and do try to make the schematics as nice as possible-ideally "camera ready". (If I have to re-draw them it delays the whole process, and introduces the chance for error). My address is on page 1. Let's hear from you!

73's Steve WA9VNJ